

**RAW SEQUENCE LISTING** DATE: 07/09/2003
PATENT APPLICATION: **US/09/830,111D** TIME: 09:22:53

Input Set : **A:\21581-265.seq.ST25.txt**
Output Set: **N:\CRF4\07092003\I830111D.raw**

<110> APPLICANT: Kaneka Corporation
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Ikenaka, Yasuhiro
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Takahashi, Satomi
<120> TITLE OF INVENTION: Process For Producing Coenzyme Q10
<130> FILE REFERENCE: 21581-00265-US
<140> CURRENT APPLICATION NUMBER: 09/830,111D
<141> CURRENT FILING DATE: 2001-07-23
<160> NUMBER OF SEQ ID NOS: 2
<170> SOFTWARE: PatentIn version 3.2



<210> SEQ ID NO: 1
<211> LENGTH: 1653
<212> TYPE: DNA
<213> ORGANISM: Saioella complicata
<400> SEQUENCE: 1

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gatggctcag gcgacggagg ttgcgccaaa agttcagggt tgggagaagg tcgtggaggt 540
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 78 ggcatgcaag cttggctgtt ttggcggatg agagaagatt ttcagcctga tacagattaa   1560
 80 atcagaacgc agaagcggtc tgataaaaca gaatttgcct ggcggcagta gcgcggtggt   1620
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 86 <211> LENGTH: 440
 87 <212> TYPE: PRT
 88 <213> ORGANISM: Saitoella complicata
 90 <400> SEQUENCE: 2
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 97             20                  25                  30
100 Arg Leu Arg Cys Thr Pro Thr Ser Arg Pro Ser Ser Ser Trp Ala Ala
101         35                  40                  45
104 Ala Val Ser Ser Ala Ser Arg Leu Val Glu Pro Asp Pro Asn Gln Pro
105     50                  55                  60
108 Leu Ile Asn Pro Leu Asn Leu Val Gly Pro Glu Met Ser Asn Leu Thr
109 65                  70                  75                  80
112 Ser Asn Ile Arg Ser Leu Leu Gly Ser Gly His Pro Ser Leu Asp Thr
113                 85                  90                  95
116 Val Ala Lys Tyr Tyr Val Gln Ser Glu Gly Lys His Ile Arg Pro Leu
117             100                 105                 110
120 Met Val Leu Leu Met Ala Gln Ala Thr Glu Val Ala Pro Lys Val Gln
121         115                 120                 125
124 Gly Trp Glu Lys Val Val Glu Val Pro Val Asn Glu Gly Leu Ala Pro
125     130                 135                 140
128 Pro Glu Val Leu Asn Asp Lys Asn Pro Asp Met Met Asn Met Arg Ser
129 145                 150                 155                 160
132 Gly Pro Leu Thr Lys Asp Gly Glu Ile Glu Gly Gln Thr Ser Asn Ile
133                 165                 170                 175
136 Leu Ala Ser Gln Arg Arg Leu Ala Glu Ile Thr Glu Met Ile His Ala
137             180                 185                 190
140 Ala Ser Leu Leu His Asp Asp Val Ile Asp Ala Ser Glu Thr Arg Arg
141         195                 200                 205
144 Asn Ala Pro Ser Gly Asn Gln Ala Phe Gly Asn Lys Met Ala Ile Leu
145     210                 215                 220
148 Ala Gly Asp Phe Leu Leu Gly Arg Ala Ser Val Ala Leu Ala Arg Leu
149 225                 230                 235                 240
152 Arg Asn Pro Glu Val Ile Glu Leu Leu Ala Thr Val Ile Ala Asn Leu
153                 245                 250                 255
156 Val Glu Gly Glu Phe Met Gln Leu Lys Asn Thr Val Asp Asp Ala Ile
157             260                 265                 270
160 Glu Ala Thr Ala Thr Gln Glu Thr Phe Asp Tyr Tyr Leu Gln Lys Thr
161         275                 280                 285
164 Tyr Leu Lys Thr Ala Ser Leu Ile Ala Lys Ser Cys Arg Ala Ser Ala
165     290                 295                 300
168 Leu Leu Gly Gly Ala Thr Pro Glu Val Ala Asp Ala Ala Tyr Ala Tyr
169 305                 310                 315                 320
172 Gly Arg Asn Leu Gly Leu Ala Phe Gln Ile Val Asp Asp Met Leu Asp
```

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```
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176 Tyr Thr Val Ser Ala Thr Asp Leu Gly Lys Pro Ala Gly Ala Asp Leu
177             340                 345                 350
180 Gln Leu Gly Leu Ala Thr Ala Pro Ala Leu Phe Ala Trp Lys His His
181         355                 360                 365
184 Ala Glu Leu Gly Pro Met Ile Lys Arg Lys Phe Ser Asp Pro Gly Asp
185     370                 375                 380
188 Val Glu Arg Ala Arg Glu Leu Val Glu Lys Ser Asp Gly Leu Glu Lys
189 385                 390                 395                 400
192 Thr Arg Ala Leu Ala Glu Glu Tyr Ala Gln Lys Ala Leu Asp Ala Ile
193                 405                 410                 415
196 Arg Thr Phe Pro Glu Ser Pro Ala Arg Lys Ala Leu Glu Gln Leu Thr
197             420                 425                 430
200 Asp Lys Val Leu Thr Arg Ser Arg
201         435                 440
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**VERIFICATION SUMMARY** DATE: 07/09/2003
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